

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/541,427
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RAW SEQUENCE LISTING

DATE: 11/07/2005

PATENT APPLICATION: US/10/541,427

TIME: 09:31:22

Input Set : A:\Sequence List.txt
 Output Set: N:\CRF4\11072005\J541427.raw

3 <110> APPLICANT: Zelinski, Thomas
 4 Kesseler, Maria
 5 Hauer, Bernhard
 7 <120> TITLE OF INVENTION: METHODS FOR PRESERVING AND/OR STORING CELLS HAVING A NITRILASE
 8 OR NITRILE HYDRATASE AVTIVITY
 10 <130> FILE REFERENCE: 12810-00105-US
 -> 12 <140> CURRENT APPLICATION NUMBER: US/10/541,427
 -> 12 <141> CURRENT FILING DATE: 2005-07-05
 12 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/014880
 13 <151> PRIOR FILING DATE: 2003-12-24
 15 <150> PRIOR APPLICATION NUMBER: DE 103 00 500.5
 16 <151> PRIOR FILING DATE: 2003-01-08
 18 <160> NUMBER OF SEQ ID NOS: 2
 20 <170> SOFTWARE: PatentIn version 3.3
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 1071
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Alcaligenes faecalis
 27 <220> FEATURE:
 28 <221> NAME/KEY: CDS
 29 <222> LOCATION: (1)...(1068)
 30 <223> OTHER INFORMATION: coding for nitrilase
 32 <400> SEQUENCE: 1
 33 atg cag aca aga aaa atc gtc cgg gca gcc gca cag gcc gca tct 48
 34 Met Gln Thr Arg Lys Ile Val Arg Ala Ala Ala Val Gln Ala Ala Ser
 35 1 5 10 15
 36 ccc aac tac gat ctg gca acg ggt gat aaa acc att gag ctg gct 96
 37 Pro Asn Tyr Asp Leu Ala Thr Gly Val Asp Lys Thr Ile Glu Leu Ala
 38 20 25 30
 39 cgt cag gcc cgc gat gag ggc tgt gac ctg atc gtg ttt ggt gaa acc 144
 40 Arg Gln Ala Arg Asp Glu Gly Cys Asp Leu Ile Val Phe Gly Glu Thr
 41 35 40 45
 42 tgg ctg ccc gga tat ccc ttc cac gtc tgg ctg ggc gca ccg gcc tgg 192
 43 Trp Leu Pro Gly Tyr Pro Phe His Val Trp Leu Gly Ala Pro Ala Trp
 44 50 55 60
 45 tcg ctg aaa tac agt gcc cgc tac tat gcc aac tcg ctc tcg ctg gac 240
 46 Ser Leu Lys Tyr Ser Ala Arg Tyr Tyr Ala Asn Ser Leu Ser Leu Asp
 47 65 70 75 80
 48 agt gca gag ttt caa cgc att gcc cag gca gca cgg acc ttg ggt att 288
 49 Ser Ala Glu Phe Gln Arg Ile Ala Gln Ala Ala Arg Thr Leu Gly Ile
 50 85 90 95
 51 ttc atc gca ctg ggt tat agc gag cgc agc ggc agc ctt tac ctg 336
 52 Phe Ile Ala Leu Gly Tyr Ser Glu Arg Ser Gly Gly Ser Leu Tyr Leu

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53	100	105	110	
54	ggc caa tgc ctg atc gac gac aag ggc gag atg ctg tgg tcg cgt cgc			384
55	Gly Gln Cys Leu Ile Asp Asp Lys Gly Glu Met Leu Trp Ser Arg Arg			
56	115	120	125	
57	aaa ctc aaa ccc acg cat gta gag cgc acc gta ttt ggt gaa ggt tat			432
58	Lys Leu Lys Pro Thr His Val Glu Arg Thr Val Phe Gly Glu Gly Tyr			
59	130	135	140	
60	gcc cgt gat ctg att gtg tcc gac aca gaa ctg gga cgc gtc ggt gct			480
61	Ala Arg Asp Leu Ile Val Ser Asp Thr Glu Leu Gly Arg Val Gly Ala			
62	145	150	155	160
63	cta tgc tgc tgg gag cat ttg tcg ccc ttg agc aag tac gcg ctg tac			528
64	Leu Cys Cys Trp Glu His Leu Ser Pro Leu Ser Lys Tyr Ala Leu Tyr			
65	165	170	175	
66	tcc cag cat gaa gcc att cac att gct gcc tgg ccg tcg ttt tcg cta			576
67	Ser Gln His Glu Ala Ile His Ile Ala Ala Trp Pro Ser Phe Ser Leu			
68	180	185	190	
69	tac agc gaa cag gcc cac gcc ctc agt gcc aag gtg aac atg gct gcc			624
70	Tyr Ser Glu Gln Ala His Ala Leu Ser Ala Lys Val Asn Met Ala Ala			
71	195	200	205	
72	tcg caa atc tat tcg gtt gaa ggc cag tgc ttt acc atc gcc gcc agc			672
73	Ser Gln Ile Tyr Ser Val Glu Gly Gln Cys Phe Thr Ile Ala Ala Ser			
74	210	215	220	
75	agt gtg gtc acc caa gag acg cta gac atg ctg gaa gtg ggt gaa cac			720
76	Ser Val Val Thr Gln Glu Thr Leu Asp Met Leu Glu Val Gly Glu His			
77	225	230	235	240
78	aac gcc ccc ttg ctg aaa gtg ggc ggc agt tcc atg att ttt gcg			768
79	Asn Ala Pro Leu Leu Lys Val Gly Gly Ser Ser Met Ile Phe Ala			
80	245	250	255	
81	ccg gac gga cgc aca ctg gct ccc tac ctg cct cac gat gcc gag ggc			816
82	Pro Asp Gly Arg Thr Leu Ala Pro Tyr Leu Pro His Asp Ala Glu Gly			
83	260	265	270	
84	ttg atc att gcc gat ctg aat atg gag gag att gcc ttc gcc aaa gcg			864
85	Leu Ile Ile Ala Asp Leu Asn Met Glu Glu Ile Ala Phe Ala Lys Ala			
86	275	280	285	
87	atc aat gac ccc gta ggc cac tat tcc aaa ccc gag gcc acc cgt ctg			912
88	Ile Asn Asp Pro Val Gly His Tyr Ser Lys Pro Glu Ala Thr Arg Leu			
89	290	295	300	
90	gtg ctg gac ttg ggg cac cga gac ccc atg act cgg gtg cac tcc aaa			960
91	Val Leu Asp Leu Gly His Arg Asp Pro Met Thr Arg Val His Ser Lys			
92	305	310	315	320
93	agc gtg acc agg gaa gag gct ccc gag caa ggt gtg caa agc aag att			1008
94	Ser Val Thr Arg Glu Glu Ala Pro Glu Gln Gly Val Gln Ser Lys Ile			
95	325	330	335	
96	gcc tca gtc gct atc agc cat cca cag gac tcg gac aca ctg cta gtg			1056
97	Ala Ser Val Ala Ile Ser His Pro Gln Asp Ser Asp Thr Leu Leu Val			
98	340	345	350	
99	caa gag ccg tct tga			1071
100	Gln Glu Pro Ser			
101	355			

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Input Set : A:\Sequence List.txt
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103 <210> SEQ ID NO: 2
104 <211> LENGTH: 356
105 <212> TYPE: PRT
106 <213> ORGANISM: Alcaligenes faecalis
108 <400> SEQUENCE: 2
109 Met Gln Thr Arg Lys Ile Val Arg Ala Ala Ala Val Gln Ala Ala Ser
110 1 5 10 15
111 Pro Asn Tyr Asp Leu Ala Thr Gly Val Asp Lys Thr Ile Glu Leu Ala
112 20 25 30
113 Arg Gln Ala Arg Asp Glu Gly Cys Asp Leu Ile Val Phe Gly Glu Thr
114 35 40 45
115 Trp Leu Pro Gly Tyr Pro Phe His Val Trp Leu Gly Ala Pro Ala Trp
116 50 55 60
117 Ser Leu Lys Tyr Ser Ala Arg Tyr Tyr Ala Asn Ser Leu Ser Leu Asp
118 65 70 75 80
119 Ser Ala Glu Phe Gln Arg Ile Ala Gln Ala Ala Arg Thr Leu Gly Ile
120 85 90 95
121 Phe Ile Ala Leu Gly Tyr Ser Glu Arg Ser Gly Gly Ser Leu Tyr Leu
122 100 105 110
123 Gly Gln Cys Leu Ile Asp Asp Lys Gly Glu Met Leu Trp Ser Arg Arg
124 115 120 125
125 Lys Leu Lys Pro Thr His Val Glu Arg Thr Val Phe Gly Glu Gly Tyr
126 130 135 140
127 Ala Arg Asp Leu Ile Val Ser Asp Thr Glu Leu Gly Arg Val Gly Ala
128 145 150 155 160
129 Leu Cys Cys Trp Glu His Leu Ser Pro Leu Ser Lys Tyr Ala Leu Tyr
130 165 170 175
131 Ser Gln His Glu Ala Ile His Ile Ala Ala Trp Pro Ser Phe Ser Leu
132 180 185 190
133 Tyr Ser Glu Gln Ala His Ala Leu Ser Ala Lys Val Asn Met Ala Ala
134 195 200 205
135 Ser Gln Ile Tyr Ser Val Glu Gly Gln Cys Phe Thr Ile Ala Ala Ser
136 210 215 220
137 Ser Val Val Thr Gln Glu Thr Leu Asp Met Leu Glu Val Gly Glu His
138 225 230 235 240
139 Asn Ala Pro Leu Leu Lys Val Gly Gly Ser Ser Met Ile Phe Ala
140 245 250 255
141 Pro Asp Gly Arg Thr Leu Ala Pro Tyr Leu Pro His Asp Ala Glu Gly
142 260 265 270
143 Leu Ile Ile Ala Asp Leu Asn Met Glu Glu Ile Ala Phe Ala Lys Ala
144 275 280 285
145 Ile Asn Asp Pro Val Gly His Tyr Ser Lys Pro Glu Ala Thr Arg Leu
146 290 295 300
147 Val Leu Asp Leu Gly His Arg Asp Pro Met Thr Arg Val His Ser Lys
148 305 310 315 320
149 Ser Val Thr Arg Glu Glu Ala Pro Glu Gln Gly Val Gln Ser Lys Ile
150 325 330 335
151 Ala Ser Val Ala Ile Ser His Pro Gln Asp Ser Asp Thr Leu Leu Val
152 340 345 350

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153 Gln Glu Pro Ser
154 355

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12 M:270 C: Current Application Number differs, Replaced Current Application No
12 M:271 C: Current Filing Date differs, Replaced Current Filing Date